

For Research Use Only

Recombinant Human PrP protein (mFc Tag)



Catalog Number: Eg3465

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human PrP protein Lys23-Gly229 (Accession# P04156-1) with a mouse IgG Fc tag at the C-terminus.

GeneID:

5621

Accession:

P04156-1

Predicted Molecular Mass:

49.3 kDa

SDS-PAGE:

54-62 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

The major prion protein (PrP) is encoded by the prion protein-encoding gene (PRNP). PrP is widely expressed in a variety of tissues and is abundant in the nervous system and participates in neuronal growth and survival. PrP expression is strongly associated with immune infiltrating cells, immunosuppressive cell infiltration and immune checkpoint molecules. PrP is an immune-related prognostic marker that holds promise for predicting outcomes related to colorectal cancer immunotherapy.

References

1. Broce IJ. et al. (2023) Ann Clin Transl Neurol. 10(4):536-552.
2. Lin C. et al. (2023) PLoS One. 18(8):e0288091.
3. Chen H. et al. (2024) Front Cell Dev Biol. 12:1391873.

Synonyms

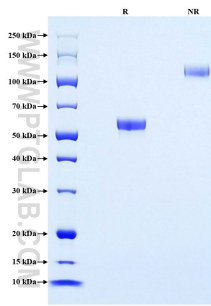
PRNP, Alternative prion protein, AltPrP, CD230, CJD

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human PrP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.